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Applicant SPOLTORE,!MICHAEL!THOMAS!

Application!Number 10/750,087

Filing! Date 12/31/2003

Title BUILDING!OCCUPANT!LOCATION
ANDIFIREIDETECTIONISYSTEM

Docket! Number! H0006017-0555

Examiner NGUYEN,!HUNG!T

Art!Unit 2636

BRIEF!ON!BEHALF!OF!MICHAEL!THOMAS!SPOLTORE

This! isl an! Appeal! from! the! Final! Rejection! of! Claims! 40-78! by! the! Office! Action! of! January! 03.! 2006.

REAL! PARTY! IN! INTEREST

The real parties in interest are the inventor Michael Thomas Spottorel and Honeywell International Inc.

RELATED! APPEALS! AND! INTERFERENCES

There! are! no! related! appeals! or! interferences.

CERTIFICATE!OF!TRANSMISSION

liherebyl certified that this correspondence is being transmitted on the idate below to:

Appeal! Related! Matters*

Board!of!Patent!Appeals!and!Interferences

US!Patent!and!Tademark!Office

P.O.!Box!1450

Alexandria,!VA!22313-1450

Registration!No.!24,!681!!Date:!June!5,!2006

STATUS! OF! THE! CLAIMS

Claims!40-43,!48,!51,!54,!56-57,!59-62,!65,!67-68,!70-71!&!73-78! are!!rejected.!! No! claim! is! allowed!

STATUS! OF! ALL! AMENDMENTS! FILED! SUBSEQUENT! TO! FINAL! REJECTION

An! aftert final! response! underl 37! C.F.R.I §! 1.116! wast filed! with! a! March! 3,! 2006! mailing! certificate!! A! subsequent! advisory! action! dated! March! 28,! 2006! in! response! thereto! stated! the! amendment! underl 37! C.F.R.! §1.116! would! be! entered! for! the! purposes! of! appeal.

SUMMARY!OF!CLAIMED!SUBJECT!MATTER

The! bracketed! terms! below! reference! the! corresponding! portions! of! the! application.

[page!1,!line!6}

The! invention! relates! to! safety! and! security! devices! and! methods! and! particularly! to! apparatus! and! methods! for! locating! individuals! in! a! building! during! an! emergency.!! One! such! emergency! situation! may! occur! during! a! fire.

[pagel 3,! linel 21]

Establishing! the! location! of! individuals! within! a! building! during! a! fire! is! critical! to! individuals! that! may! be! trapped! in! the! building! as! well! as! to! individuals! seeking! to! rescue! them.!! Many! firefighters! have! died! attempting! to! rescue! individuals! that! have! been! reported! might! be! in! a! building.!!! It is! particularly! sad! when! a! firefighter! dies! seeking! to! rescue! an! individual! that! is! subsequently! determined! to! have! been! in! no!

danger.!

It is an object of the present invention to provide an additional measure of safety both for building occupants as well as emergency workers such as firefighters.

More! particularly,! it is another! object! of! the! invention! to! provide! rescue! workers! very! specific! information! about! the! location! of! individuals! within! a! building.!!

[page! 3,! line! 21]

The claimed! invention! includes! alsystem! and! method! for! providing! assistance! to! emergency! personnel! that! includes! apparatus! for! detecting! the! presence! of! personnel! within! al protected! premises,! apparatus! for! detecting! an! imminent! threat! selected! from! the! group! consisting! of! al fire,! seismological! and! terrorist! events! and! apparatus,! responsive! to! the! means! for! detecting,! for! displaying! the! location! of! personnel! within! protected! premises.

In some forms of the invention the system includes apparatus for storing the location of personnel within al protected premises that may include nonvolatile memory and may be capable of storing such data for al plurality of time periods. The system is thus proactive in that stores the location of personnel in advance of any emergency.

The lapparatust for I detecting I an I imminent! threat! may! include I an I ionization-type! detector! or I all photoelectric! detector! or I temperature! sensing! and! may! utilize! fuzzy! logic! of I Boolean! logic.!! The I temperature! sensing! apparatus! may! utilize! one! or! more! thermistors.!! Some! forms! of! the I apparatus! in! accordance! with! the I invention! may! include! structure! for I determining! the! last! known! good! position! information.

The lapparatus | for l detecting | the | presence | of | personne | may | also | include | ultrasonic | apparatus | microwave | apparatus | infrared | sensing | or | al combination | of | both | passive | infrared | and | microwave | sensors |

The decision-making! process! in! the! apparatus! may! be! achieved! when! a! logic! circuit or! a! microprocessor.! The! apparatus! for! displaying! the! location! of! personne!! within! protected! premises! may! include! a! floor! plan! on! which! the! locations! are! defined! and! may! include! wireless! apparatus! for! remotely! displaying! the! location! of! personne! within! protected! premises.

[page! 4.! line! 17]

The linvention latsol includes! at method! fort providing! assistance! to! emergency! personne!! which! includes! detecting! the! presence! of! personne!! within! at protected! premises,! detecting! and imminent! threat! selected! from! the! group! consisting! of! at fire,! seismological! and! terrorist! events,! displaying! the! location! of! personne!! within protected! premises! when! and imminent! threat! is! detected.! further! including! the! step! of! storing! the! location! of! personne!! within! protected! premises,! wherein! the! step! of! storing! the! location! of! personne!! is! achieved! with! nonvolatile! memory.

The Imethod! for providing! assistance! to! emergency! personnel! includes! the! stepl of! storing! the! location! of! personnel! for! personnel.! within! a! protected! premises! for! each! of! a! plurality! of! time! periods.!! The! method! for! providing! assistance! to! emergency! personnel! includes! providing! apparatus! that! includes! a! providing! one! such! apparatus! selected! from! the! group! that! includes! (a.)! ionization-type! detector,! (b)! a! photoelectrid detector,! (c)! fuzzy! logic,! (d)! Boolean! logic,! (e)! temperature! sensing,! (f)! ultrasonic! apparatus.! (g)! at! least! one! thermistor,! (h)!! microwave! apparatus! and! (i)! infrared! sensing.

The! drawing! (copy! attached)! illustrates! graphically! the! steps! of! intrusion! detection! combined! with! the! creation! of! historical! data! storage! that! is! available! prior! to! a! fire! or!

other! event! being! detected.

ISSUES

1.!!Whether! Claims! 40-43,!48,!51,!54,!56-57,!59-62,!65,!67-68,!70-71! &! 73-78! are! unpatentable! under! 35! USC.!102(b)! as! being! unpatentable! over! Mckay! Patent! Application! Publication! (U.S.!2001/0036832)! in! view! of! Kulesz! et al.! (U.S.!6,930,596).

2.!! Whether! Claims! 44-47! are! unpatentable! under! 35! U.S.C.! 103(a)! as! being! unpatentable! over McKay! Patent! Application! Publication! (U.S.!.2001/0036832)! in! view! of! Kulesz! et al.! (U.S. 6.930,596)! and! further! view! of! Wiemeyer! (U.S.!5,726,633).

3.!! Whether! Claims! 49-50! are! unpatenable! under! 35! U.S.C.! 103(a)! as! being! unpatentable! over McKay! Patent! Application! Publication! (U.S.! 2001/0036832)! in! view! of! Kuleszlet! al.! (U.S. 6,930,596) and! further! in! view! of! Addy! (U.S.! 6,084,522).

4.!!Whetherl Claimst 52-53! & 63-64! are lunpatentable under 35! U.S.C.! 103(a)! as! being unpatentable! over! Mckay! Patent! Application! Publication! (U.S.!2001/0036832)! int view of! Kulesz! et! al.! (U.S.!6.930.596!) and! further! in! view of! Hackett! (U.S.!4.035,798).

5.! Claims! 55! & 66! are! rejected! under! 35! U.S.C.! 103(a)! as! being! unpatentable! over McKay! Patent! Application! Publication! (U.S.! 2001/0036832)! in! view! of! Kulesz! et! al.! (U.S.

6,930,596) and further in view of Katzlet al. (U.S. 6,188,318).

6.!!Whetherl.Claims!58, 69!&!72! are! unpatentable! under!35!U.S.C.!103(a)! as! being! unpatentable over! Mckay! Patent! Application! Publication! (U.S.12001/0036832)! in! view! of! Kulesz! et! al. (U.S.!6,930,596)! and! further! in! view! of! Lepkofker! et! al.! Patent!

Application! Publication (U.S.! 2004/0021569).

GROUPING! OF! CLAIMS

The! claims! do! not! stand! or! fall! together.

THE!ARGUMENT!

ISSUE! 1! REJECTION

The! final! rejection! in! the! office! action! of! January! 3,! 2006! stated:

"2.! Claims! 40-43,! 48,! 51,! 54,! 56-57,! 59-62,! 65,! 67-68,! 70-71! &! 73-78! are! rejected! under! 35! U.S. C.! 103(a)! as! being! unpatentable! over! Mckay! Patent! Application! Publication! (U.S.! 2001/0036832)! in! view! of! Kulesz! et! al.! (U.S.! 6,930,596). Regarding! claim! 40,! McKay! discloses! a! system! (30)! for! providing! assistance! to emergency! personnel! (14)!! a! building! (12)! is! on! fire! condition! [figs.! 1-2,4,! paragraphs

0013-0014,!0017]!comprising:

- -! means! for! detecting! presence! of! personne!! /! firefighters! (14)! within! a! protected promises! (12)! at! a! real! time! [figs. 1-2,4,! paragraphs! 0012-0014,! 0017];
- -!remote! receiver! (48) includes! at computer! system! (44,84) having! memory! device! is inherently! for! storing! the! firefighter! signals! is! cited! in! figs.2,4,6,! paragraphs! 0014,1 0017, 0019.
- -latfiret truck havingt at servert (128) comprisingt at memory devicet fort storingt data information! as! each! of! the! firefighter! (14)! havingt at tag! (16,40)! is! attached! fort monitoring condition! of! firefighter! in! three! positioning! (32,33,34) at at real! time! period! [figs.1!-2.6! paragraphs! 0014,!0019,!0022].

I means! fort displaying! by! a! computer! monitor! (46,82)! the! presence! of! the! firefighters! (14)! within! a! protected! promises! at! a! realtime! [figs.1-2,4,-paragraphs! 0013-0014, I 0017]

The reference of McKayl does not specifically mention exactly at term as subsequently detecting as claimed by the applicant.

However,! Kulesz! teaches! al communication! network! system! which! can! be! employed! by! fire! department,! police,! or! emergencies! rescue! team! to! response! as! detecting! (20,61-65)! of! hazardous! events! as! high! temperature,! chemical,! biological,! nuclear,! explosive,! dirty! bomb! (72),! earthquake! and! so! on! wherein! the! hazardous! material! is! detected! to! al subsequent,! different! location! is! monitored! by! al controller! (70)! [! figs.3-4.1col.5.]! lines! 39-52! and! col.7.] line! 62! to! col.8.] line! 33].

Therefore, I it! would! have! been! obvious! to! one! having! ordinary! skil!! in! the! art! to! employ! the! teaching! of! Kulesz! in! the! system! of! Mckay! for! detecting! &! monitoring! subsequent! fire,! subsequent! earthquake,! subsequent! bomb! conditions.!-

Regarding! claims! 41-43,! Mckay! discloses! the! system! for! providing! assistance! to! emergency! personne!! (14)!/! al building! (12)! is! on! fire! condition! from! al fire! truck! having! al server! (128)! comprising! al memory! device! for! storing! data! information! as! each! of! the! firefighter! (14)! having! al tag! (16,40)! is! attached! for! monitoring! condition! of! firefighter! in three! positioning! (32,33,34)! at! al real!! time! period! [figs.1-2,6]! paragraphs! 0014,!0017, 0019,!0022].

Regarding! claims! 48! &! 54,! Mckay! does! teach! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (102)! for! firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [fig. 5.! paragraph! 0018].

Regarding! claim! 51,! McKay! discloses! the! system! for! providing! assistance! to! emergency personne!! (14)!/!al building! (12)! is! on! fire! condition! from! at fire! truck! having! al server! (128) comprising! al memory! device! for! storing! data! information! as leach! of! the! firefighter! (14) having! al tag! (16,40)! is! attached! for! monitoring! condition! of! firefighter! in! three! positioning (32,33,34)! at! a! real! time! period! [figs.! 1-2,4,6,! paragraphs! 0014,! 0017; 0019,! 00221.

Regarding! claims! 56-57,! McKay! discloses! the! system! for providing! assistance! to! emergency! personne!! (14)!/!.al building! (12)! is! on! fire! condition! [figs.1-2,! paragraphs! 0013-0014]! comprising:

-I means! for! detecting! the! presence! of! personne!! // firefighters! (14)! having! al tag! (16,40)! within! al protected! promises! (12)! at! a! real! time! by! a! wireless! signal! // GPSI receive! [figs.! 1-2.! paragraphs! 0012-0014];

-I means for displaying by al computer monitor (46,82) as showing the presence of the firefighters! (14) within! al protected promises! at alreal! time! which! having! al circuit component! // microprocessor in! the! computer! system! (44) is inherently! [figs.! 1-2,4,!6,! paragraphs! 0013-0014.! 0017].

Regarding! claims! 59! &! 70,! McKay! discloses! the! system! (30) is! installed! in! an! emergency! fire! truck! (18)! which! to! monitor! the! firefighters! (14)! in! the! building! (12)! is! on! fire! condition! by! a! remote! signal! [figs.1-2,5,! paragraphs! 0013-0014! and! 0018]; -! means! for! detecting! the! presence! of! personne!! //! firefighters! (14)! having! a! tag! (16,40)! within! a! protected! promises! (12)! at! a! real! time! by! a! wireless! signal! // GPS! receive! [figs.! 1-2.! paragraphs! 0012-0014! and! 00181:

I means for displaying by al computer monitor (46,82) the presence of the fire fighters! (14) within! al protected promises! at al real! time! from! the emergency! tire! truck! [figs.! 1-2,4.! paragraphs! 001: 3-0014.! 0017].

Regarding! claim! 60,! McKayl discloses! the! system! (30)! for! providing! assistance! to! emergency! personne!! (14)!/!.a! building! (12)is! on! fire! condition! [figs.! 1-2,! paragraphs! 00! 13-0014,! 0017] comprising:

-! means! for detecting! the! presence! of! personne!! // firefighters! (14)! having! al tag! (16,40)! within! al protected! promises! (12)! at! al real! time! by! al wireless! signal! // GPS! receiver! [! figs.! 1-2.! paragraphs! 0012-0014! and 00181;

I means! fort displaying! by! al computer! monitor! (46,82)! the! presence! of! the! firefighters! (14)! within! a! protected! promises! at! a! real! time! from! the! emergency! tire! truck! [figs.1-2,4,! paragraphs! 0013-0014,! 0017].

-! the! system! for! providing! assistance! to! emergency! personne!! (14)/a! building! (12)! is! on! fire! condition! from! at fire! truck! having! a! serve!! (128)! comprising! a! memory! device! for! storing! data! information! as! each! of! the! firefighter! (14)! having! a! tag! (16,40)! is! attached! for monitoring! condition! of! firefighter! in! three! positioning! (32,33,34)! at! a! real! time! period! [figs.] 1-2.6.] paragraphs! 0014,10017! 0019.100221.

Regarding! claims! 61-62,! McKay! does! teach! the! system! is! used! fort fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (102)! fort firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [fig.5.! paragraph! 0018];

I means for displaying by at computer monitor (46,82), the presence of the fire fighters! (14), within at protected promises at at realt time from the emergency firet truck [figs.1-2,14]. paragraphs! 0013-0014, 10017].

-Ithel system for providing lassistance to emergency personnell (14) I fall building (12) ist on fire condition from at firet truck having alserver (128) comprising almemory device for storing datal information! as leach! of the firefighter (14) I having altagl (16,40) is attached for monitoring condition of firefighter in three positioning (32,33,34) at alreal time! period [figs.!1-2,6] paragraphs! 0014,10017,10019,10022].

Regarding! claim! 65,IMcKay! does! teach! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,!gas! or! so! on may! connect! to! wearable! computer! (102)! for! firefighter! to! detecting! the! condition! in! the! fire! building! (12) [fig. 5,! paragraph! 0018].

Regarding! claims! 67-68,! McKay! discloses! the! system! (30)! for! providing! assistance! to! emergency! personne!! (14)! !! a! building! (12)! is! on! fire! condition! [figs.! 1-2,4,! paragraphs! 00! 13-0014,! 0017] comprising:

-Imeans! for detecting! the! presence! of! personne!! // firefighters! (14)! having! altag! (16,40)! within! al protected! promises! (12)! at! al real! time! by! al wireless! signal! // GPSI receiver! [figs.! 1-2.! paragraphs! 0012-0014! and! 0018];

-! means! fort displaying! by! al computer! monitor! (46,82)! the! presence! of! the! firefighters! (14)! within! al protected! promises! at! a! real! time! from! the! emergency! fire! truck,! the! receiver! (48)! which! having! a! circuit! component!!! microprocessor! in! the! computer! system! (44,84)! is! inherently! [figs.! 1-2,4,!6]; paragraphs! 0013-0014.10017].

Regarding! claim! 71,! Mckay! discloses! the! system! (30)! for! providing! assistance! to! emergency! personne!! (14)/a! building! (12)! is! on! fire! condition! [figs.1-2,4.! paragraphs! 0013-0014.! 0017]! comprising:

- -! means! for! detecting! presence! of! personne!! /! firefighters! (14)! within! a! protected! promises! (12)! at a! real! time! [figs.! 1-2,4,! paragraphs! 0012-0014,! 0017];
- -! means! ford displaying! by! al computer! monitor! (46,82)! the! presence! of! the! firefighters! (14)! within! a! protected! promises! at! a! real! time! [figs.! 1-2,4,! paragraphs! 001! 3-0014,0017]
- -! the! computer! monitor! (46,82)! is! connected! to! input! device! /! keypad!!! console! (42) from! the! computer! system! is! inherently! (44,84)! [figs.! 1-2,4,! paragraphs! 0013-0014, 0017].

Regarding! claim! 73,I McKay! discloses! the! system! (30)! for! providing! assistance! to! emergency! personne!! (14)!/a! building! (12)! is! on! fire! condition! [figs.1-2,4.! paragraphs! 0013-0014.! 0017!! comprising:

-! means! for! detecting! presence! of! personne!! /! firefighters! (14)! within! a! protected! promises! (12)! at a! real! time! [figs.! 1-2,4.! paragraphs! 0012-0014.! 0017];

I means for displaying by alcomputer monitor (46,82) as showing the presence of the firefighters (14) within alprotected promises at alreal time [figs. 1-2,4] paragraphs 0013-10014.0017. J.

Regarding! claims! 74-76! &! 78,! McKay! disclose! the! method! fort providing! assistance! to! emergency! personne!! (14)! /! a! building! (12)! is! on! fire! condition! [figs.! 1-2,4,! paragraphs! 0013-0014.! 0017] comprising:

-I remote! receiver! (48) includes! al computer! system! (44,84) having! memory! device! is! inherently! for storing! the! firefighter! signals! is! cited! in! figs.2,4,6,! paragraphs! 0014,1 0017,10019.

-thel firel truck! having! al server! (128)! comprising! al memory! device! for! storing! data! information! as! each! of! the! firefighter! (14)! having! al tag! (16,40)! is! attached! for! monitoring condition! of! firefighter! in! three! positioning! (32,33,34)! al! al real! time! period! [figs.1-2.6.] paragraphs! 0014,!0019,!0022].

Regarding! claim! 77,!McKay! does! teach! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (102)! for! firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [fig. 5.! paragraph! 0018]."

ISSUE! 1! RESPONSE

Claims! 40-78! are! illustrated! by! portions! of! the! independent! claims! listed! below! (Emphasis! added).

"40.!!! Al system! for! providing! assistance! to! emergency! personne!! which! comprises:

apparatusl for! first! detecting! the! presence! of! personne!! within! a! protected! premises:

apparatus! for continuously! storing! data! defining! the! location! of! personne!! within! al protected! premises;

apparatus! for!subsequently! detecting! an! imminent! threat! selected! from! the! group! consisting! of! fire,! seismological! and! terrorist! events;!..."

"60.!!!! Al system! for providing! assistance! to! emergency! personnel! which! comprises:

apparatus! for! first! detecting! the! presence! of! personnel! within! a! protected! premises! and! apparatus! for! storing! the! location! of! personnel! within! protected! premises! that! includes! nonvolatile! memory! and! which! is! capable! of! storing! such! data! for! a! plurality! of! time! periods;

apparatus! for! subsequently! detecting! an! imminent! threat! selected! from! the! group! consisting! of! fire,! seismological! and! terrorist! events;..."

"73.!!!! A! method! for! providing! assistance! to! emergency! personne!! which! includes:

detecting! the! presence! of! personnel! within! a! protected! premises;

storing! data! defining! the! location! of! personnel! within! a! protected! premises;

detecting! a! subsequent! imminent! threat! selected! from! a! group! consisting! of! a! fire.! seismological! and! terrorist! events:! ..."

Thus, I all off the claims frow pending makel clear that the detection off all subsequent threat occurs after first detecting the presence off personne and storing data defining the location off the personne within all protected premises. I (For example, I the protected premises might be monitored for years before any fire, I seismological and/or terrorist event is detected. I

The! McKay! reference! describes! the! background! of! that! invention! with:!!

"[0002]! Firest in! the! United! Statest claim! the! lives! around! one! hundred! firefighters! each! year.!! A! review! of! this! situation! by! the! National! Fire! Protection! Association! suggested! the! application! of! new! technologies! for! command! centers.! risk! management! and! individual! firefighters.! Presently! firefighters! wear! an! alarm! that! emits! an! audible! sound! when! they! have! not moved! within! the! last! 30! seconds.!! In! the! confusion! of! al fire! this! audible! alarm! has! provided! very! little! assistance! in! finding! down! and! injured! firefighters.! The! sound! is! muffled! by! the! fire! and! provides! only! the! slightest! clue! as! to! the! whereabouts! of! the! downed! firefighter.! Other! problems! include! the! inability! of! the! commander! to! have! real!! time! information! on! the! fire! as! we!!! as! the! location! of! the! personnel! and! equipment! assets."! Thus.! it! is! abundant!y! apparent! that! the! reference! is! clearly! directed! to! monitoring! the! location! of! firefighters! after! al fire! has! started.! There! is! not! even! the! slightest! suggestion.! much! less! al description! of! any! apparatus! that! would! monitor! al protected! premises! so! that! in! the! even!! al fire,! seismological! of! terrorist! even!! occurrence! of! the! fire,! seismological! of!

terroristlevent. Il Therel is I not event thet slightest suggestion, I much less lat description offanyl apparatus! that would! in! any! way! track on determine! thet location! offanyone! other than! firemen! who entered! thet building! after thet fire! started! for thet express! purpose! off putting! out thet fire! Thus,! thet reference! clearly! does! include:

apparatus! for first detecting the! presence of personnell within! al protected! premises! and! apparatus! for storing! the! location! of personnel! within! protected! premises! that! includes! nonvolatile! memory! and! which! is! capable! of! storing! such! data! for all plurality! of! time! periods;

apparatus! for! subsequently! detecting! an! imminent! threat! selected! from! the! group! consisting! of! fire,! seismological! and! terrorist! events;..."

The! Examiner! states:

!"The! reference! of! McKay! does! not! specifically! mention! exactly! all term! as! subsequently! detecting! as! claimed! by! the! applicant."!

It! is! respectfully! submitted! the! reference! not! only! does! not! use! the! terms! "subsequently! detecting".! The! reference! does! not! show! or! suggest! subsequently detection! of! a! fire,! seismological! or! terrorist! event! after! determining! the! location! of! anyone,! much! less! the! occupants! of! the! building! or! other! protected! premises! prior! to the! occurrence! of! an! event! selected! from! the! group! consisting! of! fire,! seismological! and! terrorist! events. The! references! are! not! proactive.! They! do! not! maintain! a! database! of! the! personne!! within! a! protected! premises! prior! to! an! emergency. The! proactive! approach! results! in! a! different! structure,! purpose!,! method! and! result! than! that! of! the! cited! art! either! individually! or! collectively.!! The! cited! art! does! not! consider! the! location! of! persons! within! a! protected! that! were! present! prior! to! a! fire! or! other! cataclysmic! event.

The! Examined furthed asserts:

"However,! Kulesz! teaches! a! communication! network! system! which! can! be! employed! by! fire! department,! police,! or! emergencies! rescue! team! to! response (sic)! as! detecting! (20,61-65)! of! hazardous! events! as! high! temperature,! chemical,! biological,! nuclear,! explosive,! dirty! bomb! (72),! earthquake! and! so! on! wherein! the! hazardous! material! is! detected! to! a! subsequent,! different! location! is! monitored! by! a! controller! (70)! [! figs. 3-4,! col.5,! lines! 39-52! and! col.7,! line! 62! to! col.8,! line! 33].

Therefore, I it would! have! been! obvious! tol one! having! ordinary! skill! in! the! art! tol employ! the! teaching! of! Kulesz! in! the! system! of! Mckay! for! detecting! &! monitoring! subsequent! fire,! subsequent! earthquake,! subsequent! bomb! conditions." —

Applicant acknowledges! that Kulesz! teaches! alnetwork! that includes! multiple! sensors! and! emergency! responders.! In! other! words,! the! merely! uses! al. network! to! detect! threats! and! warn! of! threats.! Nothing! in! the! Kulesz! reference! remotely! describes! of! suggests! the! desirability! of! establishing! the! location! of! any! person! at! any! time.

It is respectfully! submitted! that! the! combination! of! (1)! the! McKay! reference! that! teaches! tracking! fireman! after! they! enter! a! building! after! the! building! sideemed! to! be! burning! with! (2)! the! Kulesz! reference! that! never! tracks! the! location! of! any! person! at! any! time! does! not! show! of! suggest!

apparatus! for! first! detecting! the! presence! of! personne!! within! a! protected! premises! and! apparatus! for! storing! the! location! of! personne!! within! protected! premises! that! includes! nonvolatile! memory! and! which! is! capable! of! storing! such! data! for! a! plurality! of! time! periods;

apparatus!for!subsequently!detecting!an!imminent!threat!selected!from!the!group!consisting!of!fire.!seismological!and!terrorist!events;..."

Stated! another! way,! the! combination! of! a! reference! that! teaches! tracking! fireman! after! they! enter! a! building! after! the! building! is! deemed! to! be! burning! with! a! reference! that! never! tracks! the! location! of! any! person! at! any! time! cannot! even! be! rationally! argued! to! teach! the! claimed! invention.

Applicant! does! not! in! any! way! concede! that! the! combination! of! references! would! teach! the! present! invention.! Moreover,! it! is! respectfully! submitted! that! the! combination! of! references! is! not! permissible! because! it! fails! to! meet! the! established! standard:

Karsten! Mfg.lCorp.l.v.l.Cleveland! Golft Co., 1242 F. 3dt 1376,11385! (Fed.lCir.l 2001)! ("Inlholding! anl invention! obvious! inl view of! al combination! of! references,! there! must be! some! suggestion,! motivation,! of teaching! in! the! prior! art! that! would! have! led! a! person! of! ordinary! skill! in! the! art! to! select! the! references! and! combine! them! in! the! way! that! would! produce! the! claimed! invention."!!

Infrel Dance, I 160 IF. 3dl. 1339, I 1343 (Fed. I Cir. I 1998) ("Whent their references are int theis ame! field as that off theis applicant's invention, I knowledge! thereof is presumed. I However, I theit est off whether it would have been obviousl tot select's specific teachings! and combine! them! as! did! the! applicant must! still be! met! by identification! off some! suggestion, I teaching, I off motivation! in! the! priof art, I arising! from! what! the! priof art! would! have! taught! al person! off ordinary skill! in! the! field! off the! invention."):

In! re! Fine ! 837! F. 2d 1071 ! 1075! (Fed !! Cir.! 1988)! (there! must be! "some! objective! teaching! in! the! prior! art or! that! knowledge! generally! available! to! one! off ordinary! skill! in! the! art! would!! ead! that! individual! to! combine! the! relevant! teachings! off the! references")!

Interconnect! Planning! Corp.!v.! Feil,! 774! F.2d! 1132,! 1143! (Fed.! Cir.! 1985)! ("When! prior! art! references! require! selective! combination! by! the! court! to!

render obvious! al subsequent! invention,! there! must! be! some! reason! for! the! combination! other! than! the! hindsight! gleaned! from! the! invention! itself.").!

There is not the slightest suggestion in! McKay! that when! firefighters enter all burning building! and! are! tracked! after! the! detection! of! the! fire! and! the! firemen! are! called.! that there after! the! Kulesz! network! system! should! be:! "... detecting! &! monitoring! subsequent! fire,! subsequent! earthquake,! subsequent! bomb! conditions."!! Thus,! there! is! not! the! slightest! suggestion,! motivation,! or! teaching! in! McKay! that! would! have! led! a! person! of! ordinary! skill! in! the! art! to! select! the! cited! references! and! combine! them! in! the! way! suggested! by! the! rejection.

Similarly,! theret ist not! the! slightest! suggestion,! motivation,! or! teaching! in Kulesz! that! the! Kulesz! network! for! sensing! threats! and! alerting! responders! should! be! expanded! to! track! firefighter! responders! that! enter! a! burning! building! as! described! in! McKay.! In! fact,! as! noted! above! Kulesz! does! not! include! the! slightest! suggestion,! motivation,! or! teaching! that! any! person! should! be! tracked! or! located! anywhere.

ISSUE 2 REJECTION

"3.! Claims! 44-47! are! rejected! under! 35! U.S.C.! 103(a)! as! being! unpatentable! over McKay! Patent! Application! Publication! (U.S.! 2001/0036832)! in! view! of! Kulesz! et! al.! (U.S.!! 6.930,596)! and! further! view! of! Wiemeyer! (U.S.! 5,726,633).

Regarding! claims! 44-45,!The! references! of! Mckay! &! Kulesz! do! not! specifically! mention! the! detector! includes! ionization! or! photoelectric! as! claimed! by! the! applicant.

However,! Mckay! does! teach! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature.! infrared.! oxygen.! gas! or! so! on! may!

connect! to! wearable! computer! (102)! for firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [flg.5]: paragraph! 0018].

Furthermore, I Wiemeyer! teaches! smoke! detector! having! ionization! and! photoelectrid detectors! for! discrimination! of! fire! types! [col.! 1, lines! 25-30! and! line! 40! to! col. 2, line! 3].

Therefore, lit would havel been! obvious to lone! having lordinary! skill! in! the! art! to! havel the! teaching! of! Kulesz! &! Wiemeyer! in! the! system! of! McKay! for I detecting! fire! condition! which! take! into! account! the! characteristic! of! different! types! of! fires.

Regarding! claims! 4647,! Wiemeyer! teaches! the! smoke! detector! having! ionization! and! photoelectric! detectors! for! discrimination! of! fire! types! also! mentions! a! function! of! fuzzy! logic! and! Boolean! logic! for! signal! processing! of! outputs! of! tire! or! smoke! sensors! as! improved! performance! [col.1,! lines! 25-54]."

ISSUE!2!RESPONSE

TheI remarksI above! with! respect! to! the! combination! of! McKay! and! Kulesz! are! incorporated! by! reference.! These! remarks! establish! that! there! is! no! motivation! to! combine! McKay! and! Kulesz! and! that! combing! McKay! and! Kulesz! would! no! result! in! the! present! invention. It! follows! with! still! greated force! that! neither! McKay! no! Kulesz provide! a! motivation! for combing! with.! Wiemeyer! and! the! combination! of! McKay,! Kulesz! and! Wiemeyer! does! no!! teach! the! invention! defined! by! these! claims.

ISSUE!3!REJECTION

"4.! Claims! 49-50! are! rejected! under! 35! U.S.C.! 103(a)! as! being! unpatentable! over

McKayl Patentt Application! Publication! (U.S.12001/0036832) in! viewl of! Kuleszlett al.! (U.S. 6,930,596) and! further in! viewl of! Addy! (U.S. 6,084,522).

Regarding! claims! 49-50,! The! references! of! McKay! &! Kulesz! do! not! specifically! mention! the! detector! includes! thermistors! as! claimed! by! the! applicant.! -

However,! Mckay! does! teach! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (102)! for! firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [fig. 5]. paragraph! 0018!].

Furthermore,! Addy! teaches! temperature! sensing! wireless! smoke! detector! by! using! thermistor! device! (TI)! for! monitoring! the! temperature! level! [fig.1,!col.2,! lines! 45-152! and! col.4.! lines! 31-321.

Therefore, I it would have I been lobvious I to lone! having! ordinary! skill! in! the! art! to! utilize! the! teaching! of! Kulesz! &! Addy! in! the! system! of! Mckay! for! detecting! &! monitoring! the! high! temperature! level! in! the! fire! building."

ISSUE!3!RESPONSE

TheI remarksI above! withI respect! to! theI combination! of! McKay! and! Kulesz! are! incorporated! by! reference.! These! remarks! establish! that! there! is! no! motivation! to! combine! McKay! and! Kulesz! and! that! combing! McKay! and! Kulesz! would! no! result! in! the! present! invention. It! follows! with! still! greater! force! that! neither! McKay! no! Kulesz provide! a! motivation! for! combing! with! Addy! and! the! combination! of! McKay,! Kulesz and! Addy! does! no!! teach! the! invention! defined! by! these! claims.

ISSUE!4!REJECTION

"5.!Claims!52-53!&163-64! are! rejected! under135! U.S.C.!103(a)! as! being! unpatentable! over! Mckay! Patent! Application! Publication! (U.S.!2001/0036832)! in! view! of! kulesz! et! al.! (U.S.!6,930,596)! and! further! in! view! of! Hackett! (U.S.!4,035,798).

Regarding! claims! 52-53! &! 63-64,! The! references! of! Mckay! &! kulesz! do! not! specifically! mention! the! detector! includes! ultrasonic! and! microwave! as! claimed! by! the! applicant.

However,! Mckay! does! teach! the! system! is! used! for fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (102)! for fire fighter! to! detecting! the! condition! in! the! fire! building! (12)!fig.5.! paragraph! 00181.

Furthermore,! Hackettl teaches! al frequency! of lultrasonid of microwavel can! bel used! in! the! detection! system! in! the! protected! premises! or! building! as! desired! [fig.1,!col.!1,! lines! 56-63! and! abstract].

Therefore, I it! would! have! been! obvious! to! one! having! ordinary! skil!! in! the! art! to! employ! the! teaching! of! Kulesz! &! Hackett! includes! a! frequency! of! ultrasonic! or! microwave! in! the! system! of! McKay! for! detecting! person! or object! in! the! fire! building."

ISSUE!4!RESPONSE

The! remarks! above! with! respect! to! the! combination! of! McKay! and! Kulesz! are! incorporated! by! reference.! These! remarks! establish! that! there! is! no! motivation! to! combine! McKay! and! Kulesz! and! that! combing! McKay! and! Kulesz! would! not! result! in! the! present! invention. It! follows! with! still! greater! force! that! neither! McKay! not! Kulesz

provide! a! motivation! for! combing! with!! Hackett! and! the! combination! of! McKay,! Kulesz and! Hackett! does! not! teach! the! invention! defined! by! these! claims.

ISSUE 5 REJECTION

"6.! Claims! 55! & 166 aret rejected! under! 35! U.S. C.! 103(a)! as! being! unpatentable! over McKay! Patent! Application! Publication! (U.S.! 2001/0036832)! in! view! of! Kulesz! et! al.! (U.S. 6.930.596)! and! further! in! view! of! Katz! et! al.! (U.S.16.188.318).

Regarding! claims! 55! &! 66,! The! references! of! McKay! &! Kulesz! do! not! specifically! mention! the! detector! includes! both! passive! infrared! and! microwave! sensors! as! claimed! by! the! applicant.

However,!Mckayldoes! teach! the! system! is! used! for fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,!gas! or! solon! may! connect! to! wearable! computer! (102)! for firefighter! to! detecting! the! condition! in! the! fire! building! (12)|fig.5.! paragraph! 00181.

Furthermore, I katzl teachest at dual-sensingt intrusion! detection! device! which! may! includes! both! passive! infrared! orl microwave! sensors! can! be! used! in! the! detection! system! in! the! protected! premises! orl building! as! desired! [fig.1,l col.4,l lines! 48-60,l col.5,! lines! 24-50! and! abstract].

Therefore,! it! would! have! been! obvious! to! one! having! ordinary! skill! in! the! art! to have! the! teaching! of! Kulesz! &! Katz! in! the! system! of! Mckay! for! sensing! person! &! object! in! the! fire! building! by! at! least! two! frequency! signals."

ISSUEL5/RESPONSE

The Iremarks I above! with! respect! to! the! combination! of! McKay! and! Kulesz! are! incorporated! by! reference.! These! remarks! establish! that! there! is! no! motivation! to! combine! McKay! and! Kulesz! and! that! combing! McKay! and! Kulesz! would! no! result! in! the! present! invention. It! follows! with! still! greater! force! that! neither! McKay! no! Kulesz provide! a! motivation! for! combing! with.! Katz! et! al. and! the! combination! of! McKay,! Kulesz! and! Katz! et! al. does! no! teach! the! invention! defined! by! these! claims.

ISSUE 6 REJECTION

"7.!Claims!58,69!&!72! are!rejected!under!35!U.S.C.!103(a)! as! being!unpatentable over!Mckay!Patent!Application!Publication!(U.S.12001/0036832)!in!view!of!Kulesz!et! al. (U.S.16,930,596)! and! further!in!view!of!Lepkofker!et!al.!Patent!Application!Publication (U.S.12004/0021569).

Regarding! claims! 58! &l 69.! The! references! of! Mckay! &! Kulesz! do! not! specifically mention! the! detector! includes! the! display! device! for! displaying! the! fire! fighters! on! floor! plan! on! the! location! are! defined.

However, IMckayl does I teach! the! system! is! used! for fire! department may! detect the! presence! of! personne!! if firefighters! (14)! within! a! protected! promises! (12)! at a! real time! [figs.! 1-2.4.!paragraphs! 0012-0014.!0017];

-! means! fort displaying! by! a! computer! monitor! (46,82)! the! presence! of! the! firefighters (14)! within! a! protected! promises! at! a! realtime! [figs.! 1-2,4,! paragraphs! 0013-0014,! 0017].

Furthermore, I Lepkofked teachest at rescuel system for tracking persons to fittings which can be used by the fireghters! includest at display! device! which! could! display! the firefighters! (25)! in! any! locations! in! the! building! includest floor plan! or hallway! location! [!paragraphs! 0036.! 0051-0053].

Therefore, I it would have! been! obvious! to! one! having! ordinary! skill! in! the! art! to! have! the! teaching! of! Kulesz! &! Lepkofker! in! the! system! of! McKay! for! detecting! &! displaying! the! firefighters! in! any! location! building.

Regardingl claim! 72, IMcKay! disclose! al system! (30)! for providingl assistance! to emergency! personne!! (14)!/!a! building! (12)! is! on! fire! condition! [figs.1-2,4] paragraphs 00!!3-0014.! 0017!! comprising:

-! means! for! detecting! presence! of! personne!! /! firefighters! (14)! within! a! protected promises! (12)! at! a! rea!! time! [figs.! 1-2,4,! paragraphs! 0012-0014,! 0017];

-Imeans! fort displaying! by! al computer! monitor! (46,82) as! showing! the! presence! of! the firefighters! (14)! within! al protected! promises! at! al real! time! [figs.! 1-2,4,! paragraphs! 0013-0014.0017]:

-! remote! receiver! (48)! includes! a! computer! system! (44,84)! having! memory! device! is inherently! for! storing! the! firefighter! signals! is! cited! in! figs.2,4,6,! paragraphs! 0014,! 0017. 0019.

-! the! fire! truck! having! a! server! (128)! comprising! a! memory! device! for! storing! data information! as! each! of! the! firefighter! (14)! having! a! tag! (16,40)! is! attached! for! monitoring condition! of! firefighter! in! three! positioning! (32,33,34)! at! a! real! time! period! [figs.1-2,6, paragraphs! 0014,!0019,!0022];

-! the! system! is! used! for! fire! department! could! be! included! various! environmental! sensor! as! temperature,! infrared,! oxygen,! gas! or! so! on! may! connect! to! wearable! computer! (1! 02)! for! firefighter! to! detecting! the! condition! in! the! fire! building! (12)! [fig.5], paragraph! 00181.

The!reference! of! Mckay! &! Kulesz! do! not! specifically! mention! the! detector! includes! the! display! device! for! displaying! the! fire! fighters! on! floor! plan! on! the! location! are! defined.

Furthermore,! Lepkofker! teaches! a! rescue! system! for! tracking! persons! or! things 4 which! can! be! used! by! firefighters! includes! a! display! device! which! could! display firefighters! (25)! inlany! locations! in! the! building! includes! floor! plan! or! hallway! location! paragraphs! 0036.! 0051-0053].

Therefore, lit would have! been! obvious! to! one! having! ordinary! skill! in! the! art! to! have! the! teaching! of! Kulesz! &! Lepkofker! in! the! system! of! Mckay! for! showing! &! displaying! the! firefighters! in! any! location! building."

ISSUE!6!RESPONSE

TheIremarksI above! with! respect! to! the! combination! of! McKay! and! Kulesz! are! incorporated! by! reference.! These! remarks! establish! that! there! is! no! motivation! to! combine! McKay! and! Kulesz! and! that! combing! McKay! and! Kulesz! would! no! result! in! the! present! invention. It! follows! with! still! greater! force! that! neither! McKay! no! Kulesz provide! a! motivation! for! combing! with.! Lepkofker and! the! combination! of! McKay.! Kulesz! and! Lepkofker does! no!! teach! the! invention! defined! by! these! claims.

OBVIOUSITOITRYISSUES

The rejections in this application! inherently, I without expressly! stating! the precise! words, I argue! that the I apparatus! and I method! of! the I present! invention! are I not! shown! of suggested! by! the I cited! art! either alone! or I in I combination! but! it is still obvious! for all person! having! or dinary! skill in! the I art! to! try based! on! the I cited! art.! In! determining! the!

obviousness!of! an! invention,! the! statute,! 35! U.S.C.! §103,! mandates! consideration! of! "the! subject! matter! as! a! whole"! at! the! time! the! invention! is! made.! The! PTO,! the! CCPA! and! the! CAFC! have! also! made! it! clear! that! hindsight! re-construction! of! references! in! light! of! applicant's! disclosure! is! to! be! avoided! in! making! such! determination.! See! In! re! McLaughlin.! 170! USPQ! 209! (CCPA! 1971).

Early! decisions! of! the! PTO! and! the! CCPA! have! repeatedly! adhered! to! the! requirement! that! where!t wo! or! more! references! are! combined! to! negative! patentability! of! an! invention.! the! question! to! be! asked! is.! does! the! prior! art! suggest! doing! what! applicant! has! done?! In! re! Pennington.! 113! USPQ! 81.! (CCPA! 1959).!! In! re! Wesslau.! 147! USPQ! 391! (CCPA! 1965).!! Ex! parte! Walker.! 135! USPQ! 195! (PO! Bd.! App. 1961.)! Ex! partes! Lennox! 144! USPQ! 224! (PO! Bd.! App.! 1964.).! In! Pennington.! supra.! the! CCPA! emphasized! that! the! invention! may! consist! of! the! conception! of! the! general! results! wished! for! and/or! the! actual! means! of! achieving! that! result.! and! said.! at! page! 85:

In! determining! unobviousness! of! claims! to! an! adjustable! collapsible! chair,! the! court in! In! re! Horbnan.! 121! USPQ! 218! (CCPA! 1959)! said.! at! page! 219:!

"Fort though! the! structure! may! be! but! a! simple! expedient! when! the! nove!! concept! is! realized,! that! structure! may! not! be! obvious! to! the! skilled! worked in! the! art! where! the! prior! art! has! failed! to! suggest! the! problem! or conceive! of! the! idea! for! its! elimination."

Thusl forlyears, I before! rejecting! an! invention! forl obviousness! both! the! PTO! and CCPA! looked! forl a! suggestion! in! at! least! one! reference! which! could! lead! one! skilled! in! the! art to! the! claimed invention.!! The! appealed! claims! in! In! re! Antonie,! 195! USPQ! 6! (CCPA! 1977)! were! forl a! waste! water! treatment! device! in! which! a! semi-immersed! contactor! (disk)! is! continuously! rotated! in! order! to! aerate! the! microorganisms! that! grow! on! the! conductor! and! the! waste! water! itself! The! cited! reference! disclosed! all! of! the! basic! features! of! the! device! except! the! ratio! of! tank! volume! to! contactor! area! of! 0.12! gal./s.f.!! This! limitation! was! considered! to! be! critical!! to! the! efficient! operation! of! the! device.! In! reversing! the! Board! and! disagreeing! with! the! minority.! the! court!

emphasized! that! it! is! the! invention! as! a! whole! and! not! just! some! part! of! it! that! must be! obvious! under! 35! U.S.C. §103.! The! court! said.! at! page! 8:

"The! PTO, I and the! minority! appear! to! argue! that! it! would! always! be! obvious! for one! of ordinary! skill! in! the! art! to! optimize! the! effectiveness! of! the! system! even! if! there! is! no! evidence! in! the! record! that! the! prior! art! recognized! that! particular! parameter! affected! the! results.!! Obvious! to! try! is! not! the! standard! of! 35! U.S.C.! § 103."!

Thus, I forly ears, I the I CCPA, I and I later the I CAFC rejected obvious to I try as I al standard of obviousness I under 35! U.S.C.I § 103! but required that the I reference (s) I must suggest the I claimed I invention I as I al whole. I int rel Goodwin, I 198! USPQ!! II (CCPA! 1978), I I int rel Geiger, I 2! USPQ! 2d! 1276! (Fed.! Cir.! 1987); I Int rel Stencel, I!! 4! USPQ! 1071! (Fed.! Cir.! 1987); I Int rel Fine, I 5! USPQ! 1596! (Fed. Cir.! 1988); I Merckl & I Co., I Inc.! v.! Biocraft Laboratories, I Inc.! 10! USPQ! 1843! (Fed.! Cir.! 1989); I!! Event thought for decades! since! the! enactment! of! the! 1952! Patent! Act,! the! PTO,! the! Board and! the! courts! have! consistently! looked! for al suggestion! in! the! prior art! in! order! to! sustain! al rejection! under! 35! U.S.C.§103,! in! recent! years! the! term! "motivation"! had! been! used,! sometimes! alone,! and! at! other! times! mixed! with! such! terms! as! "incentive" or! "suggestion" in! obviousness! rejections.! Webster's! New! International! Dictionary,! second! edition! (1957) defines! motivation! as! follows! "to! provide! with! of base! upon! al motive! to! move! impel! induce! incite."

Thus, I rejection I of ant invention! based on I motivation! from! the I priori ant implies! that the I priori ant implies, I induces of incites! onet skilled in I the I ant to I make I the I invention. I However, I ast previously! discussed, I applicant's! disclose! is I not supposed! to be I relied on, I or I even! be! known, I to! all person! skilled! in! the I art! or I any! other! person! for that I matter! Therefore, I how! can! one! be! moved, I impelled, I induced! or I incited! to! do! that! which! he! is! not! aware! of.! or it os love! all problem! which! he! never! knew! it existed?

In! re! Gyurik,! 201! USPQ! 552! (CCPA! 1979)! involved! an! appeal! from! the! rejection! of! claims! to! certain! thio! containing! compounds.! The! prior! art! disclosed! structurally! similar! sulfinyl-containing! compounds! made! from! the! thio! compound! as! intermediates! but! the! this! compound! was! never! isolated! in! the! prior! art! process! nor! its! properties!

ascertained.! The! Board! agreed! with! the! examiner's! rejection! that! since! the! thio! compounds! were! structurally! similar! to! the! sulfiny!! compounds! and! the! prior! art! disclosed! the! latter! compounds,! albeit! as! an! intermediate,! the! claimed! invention! was! primal facie! obvious.! The! CCPA! reversed.! stating,! at! page! 557:

"An! element! in! determining! obviousness! of! a! new! chemical! compound! is! the! motivation! of! one! having! ordinary! skill! in! the! art! to! make! it.!! "That! motivation! is! not! abstract,! but! practical,! and! is! always! related! to! the! properties! or! uses! one! skilled! in! the! art! would! expect! the! compound! to! have...!"

The! court! did! not! find! the! necessary! "motivation"! or! any! "other! evidence! of! motivation"! to! be! present! in! this! case.!! Although! the! court! did! not! explain! what! it meant! by! "motivation"! or! what! "other! evidence! of! motivation"! would! have! rendered! the! claimed! compound! obvious,! it! appears! that! the! court! was! looking! for! some! disclosure! or! suggestion! of! the! property! or! use! of! the! intermediate! product! which! would! have! led! one! skilled! in! the! art! to! "isolate"! the! intermediate! compound! if! that! person! was! so! inclined! to! or! had! any! reason! to! do.

CONCLUSION!!!!

Appellant! submits! that! the! Examiner! is! in! error! in! rejecting! Claims! 48-70! and! requests! that! the! Honorable! Board! reverse! the! Examiner's! position! and! allow! these claims!

Respectfully! submitted.!

Robert! S.! Smith,! Reg.! No.! 24,681! Attorney! for! Applicant!

1131-0! Tolland! Turnpike,! Suite! 306! Manchester,! CT!! 06042

(860)! 983-5838!

APPENDIX!!--!!APPEALED!CLAIMS

40.! (new)!!! Al system! for! providing! assistance! to! emergency! personnel! which! comprises:

apparatus! for! first! detecting! the! presence! of! personne!! within! a! protected! premises;

apparatus! for continuously! storing! data! defining! a! location! of personnel! within! al protected! premises;

apparatus! for! subsequently! detecting! an! imminent! threat! selected! from! the! group! consisting! of! fire! seismological! and! terrorist! events;

apparatus, I responsive! to! the! apparatus! for! subsequently! detecting, I for! displaying! the! location! of! personnel! within! protected! premises.

- 41.!(new)!!! Al system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 40! including! apparatus! for! storing! the! location! of! personne!! within! protected! premises.!!
- 42.!(new)!! At system! for providing! assistance! to! emergency! personne!! as! described! in! claim! 41! wherein! said! apparatus! for! storing! location! of! personne!! includes! nonvolatile! memory.
- 43.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 42! wherein! said! apparatus! for! storing! is! capable! of! storing! such! data! for! a! plurality! of! time! periods.

- 44.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 40! wherein! said! apparatus! for! detecting! an! imminent! threat! includes! an! ionization-type! detector.
- 45.! (new)!!! Al system! for providing! assistance! to! emergency! personnel! as! described! in! claim! 40! wherein! said! apparatus! for! detecting! an! imminent! threat! includes! a! photoelectric! detector.
- 46.l (new)!!! Al system! for providing! assistance! to! emergency! personnel! as! described! in! claim! 40! that! utilizes! fuzzy! logic.
- 47.!(new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described in! claim! 40! that! utilizes! Boolean! logic.
- 48.! (new)!!! Al system! for providing! assistance! to! emergency! personnel! as! described! in! claim! 40! that! utilizes! temperature! sensing.
- 49.! (new)!!! At system for providing lass is tance to lemergency! personnel! as! described! in! claim! 40! that includes! at least one! thermistor.!
- 50.1 (new)!!! Al system! for providing! assistance! to! emergency! personnel! as! described! in! claim! 49! that! includes! a! plurality! of! thermistors.
- 51.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 42! further! including! structure! for! determining! the! last! known! good! position! information
- 52.!(new)!!!A! system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 40! wherein! said! apparatus! for! detecting! includes! ultrasonid apparatus.

53.! (new)!!! Al system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 40! includes! microwave! apparatus.

54.!(new)!!! Al system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 40! that! includes! infrared! sensing.

55.! (new)!!! Al system! for providing! assistance! to! emergency! personne!! as! described! in! claim! 40! that! includes! both! passive! infrared! and! microwave! sensors.

56.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 40! wherein! said! apparatus! responsive! to! said! apparatus! for! detecting! for! displaying! the! location! of! personne!! within! protected! premises! relies! on! a! logic! circuit! for! responsiveness.

57.! (new)!!! At system! for providing! assistance! to! emergency! personne!! as! described! in! claim! 40! wherein! said! apparatus! responsive! to! said! apparatus! for! detecting! for! displaying! the! location! of! personne!! within! protected! premises! relies! on! a! microprocessor! for responsiveness.

58.! (new)!!! Al system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 40! wherein! the! apparatus! for! displaying! the! location! of! personne!! within! protected! premises! includes! a! floor! plan! on! which! the! locations! are! defined.

59.! (new)!!! A! system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 40! wherein! the! apparatus! for! displaying! includes! wireless! apparatus! for! remotely! displaying! the! location! of! personnel! within! protected! premises.

60.! (new)!!! Alsystem! for providing assistance! to lemergency! personnel! which!

comprises:

apparatus! for! first detecting! the! presence! of! personne!! within! al protected! premises! and! apparatus! for! storing! the! location! of! personne!! within! protected! premises! that! includes! nonvolatile! memory! and! which! is! capable! of! storing! such! data! for! a! plurality! of! time! periods;

apparatus! for! subsequently! detecting! an! imminent! threat! selected! from! a! group! consisting! of! a! fire.! seismological! and! terrorist! events;

apparatus, I responsive! to! the! apparatus! for! detecting, I for! displaying! the! location! of! personne!! within! protected! premises.

61.!(new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 60! wherein! said! apparatus! for! detecting! an! imminent! threat! utilizes! portions! selected! from! the! group! consisting! of! an! ionization-type! detector,! a! photoelectric! detector,! uzzy! logic.! Boolean! logic,! temperature! sensing.! and! at! least! one! thermistor.

62.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 61! further! including! structure! for! determining! the! last! known! good! position! information.

63.! (new)!!! A! system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 60! wherein! said! apparatus! for! detecting! includes! ultrasonid apparatus.

64.!(new)!!! Al system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 60! wherein! said! apparatus! includes! microwave! apparatus.

65.! (new)!!! A! system! for! providing! assistance! to! emergency! personnel! as! described!

in! claim! 60! wherein! said! apparatus! for! detecting! includes! infrared! sensing.

66.! (new)!!! Al system! for providing! assistance! to! emergency! personne!! as! described! in! claim! 60! that! includes! both! passive! infrared! and! microwave! sensors.

67.1 (new)!!! At system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 60! wherein! said! apparatus! responsive! to! said! apparatus! for! detecting! for! displaying! the! location! of! personnel! within! protected! premises! relies! on! a! logic! circuit! for! responsiveness.

68.!(new)!!! Al system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 60! wherein! said! apparatus! responsive! to! said! apparatus! for! detecting! for! displaying! the! location! of! personne!! within! protected! premises! relies! on! a! microprocessor! for! responsiveness.

69.! (new)!!! At system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 60! wherein! the! apparatus! for! displaying! the! location! of! personne!! within! al protected! premises! includes! a! floor! plan! on! which! the! locations! are! defined.

70.1 (new)!!! Al system! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 60! wherein! the! apparatus! for! displaying! includes! wireless! apparatus! for! remotely! displaying! the! location! of! personnel! within! protected! premises.

71.!(new)!!!A! system! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 60! wherein! the! apparatus! for! displaying! includes! a! graphic! keypad! and! a!! security! pane!! that! allows! selective! visual! monitoring! and! selective! audio! monitoring! of! alplurality! of! locations! within! protected! premises.

72.! (new)!!! A! system! for! providing! assistance! to! emergency! personnel! which!

comprises:

apparatus! for! detecting! the! presence! of! personne!! within! a! protected! premises! and! apparatus! for! storing! the! location! of! personne!! within! protected! premises! that! includes! nonvolatile! memory! and! which! is! capable! of! storing! such! data! for! a! plurality! of! time! periods:

apparatus! for! subsequently! detecting! an! imminent! threat! that! utilizes! at! least! one! portion! selected! from! the! group! consisting! of! an! ionization-type! detector,! at! photoelectric! detector,! fuzzy! logic,! Boolean! logic,! temperature! sensing,! at! least! one! thermistor,! ultrasonid apparatus,! microwave! apparatus,! and! infrared! sensing;

apparatus, I responsivel to I the I apparatus I fort detecting, I fort displaying! the I location! off personnel! within! protected! premises! that! includes! portions! selected! from! the! group! selected! from! the! group! consisting! of! al logic circuit!, I al microprocessor, I al floor! plan! on! which! the! locations! are! defined,! wireless! apparatus! for! remotely! displaying! the! location! of! personnel! within! protected! premises! and! al graphic! keypad! and! al security! pane!! that! allows! selective! visua!! monitoring! and! selective! audio! monitoring! of! al plurality! of! locations! within! protected! premises.

73.! (new)!!!A! method! for providing! assistance! to! emergency! personnel! which! includes:

detecting! the! presence! of! personne!! within! a! protected! premises;

storing! data! defining! the! location! of! personnel! within! a! protected! premises;

detecting! a! subsequent! imminent! threat! selected! from! a! group! consisting! of! a! fire,! seismological! and! terrorist! events;

displaying! the! location! of! personne!! within! protected! premises! when! an! imminent! threat! is! detected

74.!(new)!!! A! method! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 73! wherein! the! step! of! storing! data! defining! the! location! of! personne!! within! a! protected! premises! includes! continuously! storing! data!! defining! the! location! of! personne!! within! a! protected! premises.

75.! (new)!! A! method! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 73! wherein! the! step! of! storing! the! location! of! personne!! nonvolatile! memory.

76.!(new)!!!Al method for providing! assistance! to emergency! personne!! as! described! in! claim! 74! wherein! the! step! of! storing! the! location! of! personne!! includes! the! step! of! storing! data! for personne!! within! al protected! premises! for each! of! a! plurality! of! time! periods.

77.!(new)!!! A! method! for! providing! assistance! to! emergency! personne!! as! described! in! claim! 73! wherein! the! step! of! detecting! an! imminent! threat! includes! providing! apparatus! that! includes! a! complement! selected! from! (a.)! ionization-type! detector.! (b)! a! photoelectric! detector.! (c)! fuzzy! logic,! (d)! Boolean! logic,! (e)! temperature! sensing, (f)! ultrasonic! apparatus! (g)! at! least! one! thermistor.! (h)!! microwave! apparatus! and! (i)! infrared! sensing.! (new)!

78.! (new)!!! At method! for! providing! assistance! to! emergency! personnel! as! described! in! claim! 73! further! including! the! step! of! determining! the! last! known! good! position! information.

